						<u> </u>
		US PA	ATENT DOCUMENT	S		
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
Lp	US-4386069	05/31/1983	Estep, Timothy N.	424	101	12/02/1981
ip	US-4415556	11/15/1983	Bretschneider, H-J	424	153	12/09/1981
4	US-4639373	01/27/1987	Babior, Bernard M.	424	101	07/24/1985
4	US-4663289	05/05/1987	Veech, Richard L.	435	240	06/24/1985
4	US-4961928	10/09/1990	Holme, Stein , et al	424	533	09/21/1987
la	US-5043261	08/27/1991	Goodrich, R, et al	435	2	06/02/1989
4	US-5045446	09/03/1991	Goodrich Jr. et al	435	2	06/11/1989
4	US-5061620	10/29/1991	Tsukamoto, A, et al	435	7.21	03/30/1990
4	US-5178884	01/12/1993	Goodrich Jr. et al	424	533	01/29/1989
4	US-5364756	11/15/1994	Livesey, S.A, et al	435	2	02/16/1993
4	US-5422261	06/06/1995	Lee, C.T., et al	435	219	04/16/1993
6	US-5425951	06/20/1995	Goodrich, Jr. et al	414	520	05/31/1991
4	US-5580714	12/03/1996	Polovina, Milo R.	435	2	03/08/1995
4	US-5770700	06/23/1998	Webb, C, et al	530	383	01/25/1996
Ý	US-5897987	04/27/1999	Oliver, S A, et al	435	1.3	03/25/1996
φ	US-5955257	09/21/1999	Burger et al	435	2	10/21/1997
6	US-6277557	08/21/2001	Burger, S R, et al	435	2	08/18/1999

		FOREIGN PATEN	IT DOCUMENTS			
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
4	DE-19758073	07/01/1999	Schleuning, M	A01N	1/02	
Go	EP-0356257B1	03/29/1995	Goodrich, R	A01N	1/02	
4	WO-91/18504	12/12/1991	Goodrich Jr., R.P., et al	A01N	1/02	
6	WO-92/08347	05/29/1992	Brockbank, K	A01N	1/00	
4	WO-92/14360	09/03/1992	Williams, C.M, et al	A01N	1/02	
رم	WO-93/07745	04/29/1993	Peterson, D.R., et al	A01N	1/02	
۲,	WO-95/10291	04/20/1995	Berenson, R.J.	A01N	1/02	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
Cy		Standards for Hematopoietic Progenitor Cell Collection, Processing & <u>Transplantation</u> , First Edition, Foundation for the Accreditation of Hematopoietic Cell Therapy, (1996), 1-58	
4		AGER, S,et al., "The use of non-cryopreserved peripheral blood progenitor cells in autologous transplantation", Bone Marrow Transplantation, 16, (1995),633-34	
4		AHMED, TAUSEEF.,et al., "Marrow Storage Techniques: a Clinical Comparison of Refrigeration versus Cyropreservation", Acta Haematol, (1991),173-178	
8		AHMED, TAUSEEF.,et al. ,"Refrigeration Storage of Bone Marrow", Bone	

EXAMINER

a. Peah

DATE CONSIDERED

5/18/02

	PTO	/SB/08A	10-0
Approved for use through	10/31/2002.	OMB 65	1-003
Patent & Trademark Office: U.S. C	PPARTMENT	OF COM	MERC

	Under the Paperwork Reduction Act of 1995, no persons are	required to respond to a collection of information unless it of	ontains a valle ON	AB control num	ber.
Substitute for form 1449A/PTO	Complete if Known				I
INFORMATION DISCLOSURE	Application Number	09/458862	<u></u>	₹ .	7
STATEMENT BY APPLICANT (Use as many meets as newspaper)	Filing Date	December 10, 1999	Ě	ÁΥ	7
	First Named Inventor	Hubel, Allison	置	} 4	7
(MAY 0 7 2002 W)	Group Art Unit	1623	70	0	
1 2002 W	Examiner Name	Peselev, Elli	60	00	
Sheet 2 of TADEMAN	Attorney Docket No: 0	00600.451US1	799		ţ

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
ام		Marrow and Stem Cell Processing: A Manual of Current Techniques, 332-334	
4		ANDERLINI,et al., "Clinical Toxicity and Laboratory Effects of Granulocyte-Colony-Stimulating Factor (Filgrastim) Mobilization and Blood Stem Cell Apheresis from Normal Donors, and Analysis of Charges for the Procedures", Transfusion.org/ (July 1996),590-595	
4		AREMAN, E.M., et al., <u>Bone Marrow and Stem Cell Processing: A Manual of Current Techniques</u> , F.A. Davis Company, Philadelphia, PA,(1992),xvii - xxx	
4		AREMAN, ELLEN., "ISHAGE: The Next Step", <u>Journal of Hematotherapy</u> , 6, (Oct. 1997),437-438	
4		AREMAN, EM. ,et al. ,"Use of a Licensed Eletroylyte Solution as an Alternative to Tissue Culture Medium for Bone Marrow Collection", <u>Transfusion 33</u> , (1993),562-566	
ካ		AREMAN,et al., "Use of Licensed Electrolyte Solutions and Anticoagulant Citrate Dextrose for Bone Marrow Collection", <u>Advances in Bone Marrow Purging and Processing</u> , (1992),353-359	
6		BARNES, DAVID.H., et al., "The Radiation Recovery Factor: Preservation by the Polge-Smith-Parkes Technique", <u>Journal of National Cancer Institute</u> , Vol 15, No. 4, (February 1955),901-905	
6		BATINIC, D., et al., "Relationship between differing volumes of bone marrow aspirates and their cellular composition", <u>Bone Marrow Transplantation 6</u> , (1990),103-107	
4		BEAUJEAN, FRANCOISE.,et al., "Characteristics of Peripheral Blood Progenitor Cells Frozen After 24 hours of liquid storage", <u>Journal of Hematotheraphy</u> , (1996),681-686	
6		BEZWODA, WR. ,et al. ,"Non-cryopreserved, limited number (1 or 2) peripheral blood progenitor cell (PBPC) collections following GCSF administration provide adequate hematologic support for high dose chemotherapy", <u>Hematological Oncology</u> , 12, (1994),101-110	
4		BURGER, SR. ,et al. ,"Development of an infusible-grade hematopoietic cell storage solution", From the Dept. of Laboratory Medicine and Pathology, The University of Minnesota Medical School, Minneapolis, MN,(1998),1-49	
4		BURNETT, AK. ,et al. ,"Haematological reconstitution following high dose and supralethal chemo-radiotheraphy using stored, non-cryopreserved autologous bone marrow", British Journal of Haematology, 54, (1983),309-316	
6		CARELLA, ANGELO.M. ,et al. ,"Massive Chemotherapy with non-Frozen Autologous Bone Marrow Transplantation in 13 Cases of Refractory Hodgkin's Disease", Eur J Cancer Clin Oncol, 21, (1985),607-813	
4		CAREY, P.J,et al. ,"Autologous Bone Marrow Transplantation for High-Grade Lymphoid Malignancy Using Melphalan/Irradiation Conditioning Without Marrow Purging or Cryopreservation", <u>Blood</u> , 77, (April 1, 1991),1593-1598	
¥		D'AMICO, ELBIO.A. ,et al. ,"Bone Marrow harvesting from hemophilia A donor",	

h lealn DATE CONSIDERED 5/28/02 **EXAMINER**

5	Under the Paperwork Reduction Act of 1995, no persons are	required to respond to a collection of information unless it con	tains a valid OMB co	antrol number
Substitute for form 1449A/PTO INFORMATION DISCLOSURE	Complete if Known			
STATEMENT BY APPLICANT	Application Number	09/458862	Ë	
(Use as many cheeks as necessary)	Filing Date	December 10, 1999	—	S
OIPE	First Named Inventor	Hubel, Allison		AY
()	Group Art Unit	1623	ITE	1
MAY 0 7 2002 W	Examiner Name	Peselev, Elli	R1	0 2
Sheet 8 of 5	Attorney Docket No: 0	00600.451US1	600/2	2002
MADEMAN			<u>დ</u>	

	OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
4		<u>The Lancey</u> , (Jan 23, 1993),254	
·		DELFORGE, ALIAN.,et al. ,"Granuloucyte-macrophage progenitor cell	
5		preservation at 4 degree C", British Journal of Haematology, (1983),49-54	
	,	ENDE, NORMAN.,et al. ,"Potential effectiveness of stored cord blood (non-	
کم		frozen) for emergency use", <u>The Journal of Emergency Medicine</u> , 14, (1996),673-677	
		FAHY, GREGORY.M. ,et al. ,"Cryoprotectant Toxicity and Cryoprotectant	
49		Toxicity Reduction: In Search of molecular Mechanisms", Cryobiology 27,	
<i>V</i>		(1990),247-268	
,		GUTENSOHN, K,et al. ,"Storage of Peripheral Blood Stem Cell Samples Alters	
\mathcal{h}		Flow Cytometric CD34+ Results", <u>Beitr Infusionether Transfusionsmed.</u> , (1996),170-174	
		HECHLER, G., et al., "Storage of noncryopreserved peripheral blood stem cells	
7		for transplantation", Ann Hematol, 72, (1996),303-306	
(HOLDREINET, JV. ,et al. ,"A Method of Quantification of Peripheral Blood	
7		Admixture in Bone Marrow Aspirates", Exp. Hermat., Jan. 1980, Vol 8, No. 1,	
		(Jan. 1980),103-107	
1 (ISSARAGRISIL, S.,,et al. ,"Preservation of Haemopoietic Progenitor Cells",	
1 4		<u>Transplantation, 36, (1983),341-3</u>	
		JANSSEN, W.E. ,et al. ,"Shipping of Freshly Harvested Bone Marrow", Bone	
6		Marrow and Stem Cell Processing: A Manual of Current Techniques, (1992),445-448	
		JESTICE, HK. ,et al. ,"Liquid storage of peripheral blood progenitor cells for	_
7,		transplantation", Bone Marrow Transplantation, 14, (1994),991-994	
,,		JONES, N.,,et al. ,"High-dose Melphalan Followed by Autograft Employing Non-	
,		cryopreserved Peripheral Blood Progenitor Cells in Children", <u>European Journal</u>	
4		of Cancer, 32, (1996),1938-1942	
,		KILLIAN, DONNA.,et al. ,"A cost-effective and Food and Drug Administration-	
4		approved alternative to tissue culture media in cryopreservation", <u>Transfusion</u> ,	
		36, (1996),476	,
		KOHSAKI,et al. ,"Non-Frozen Preservation of Committed Hematopoietic Stem	
\ \\ \\ \\ \		Cells from Normal Human Bone Marrow", Stem Cells, 1, (1981),111-123	
,		LASKY,et al. ,"Liquid Storage of Unseparated Human Bone Marrow : Evaluation	
4		of Hematopoietic Progenitors by Clonal Assay", Transfusion, 26 Vol. 4,	
<i>y</i>		(1986),331-334	
Ι , Τ		LENNARD, AL. ,et al. ,"Peripheral blood stem-cell transplantation versus non-	
G		cryopreserved autologous bone-marrow transplantation", The Lancey, (Jan 23,	
		1993),254	
		LUO, K.,et al., "Dimethylsulfoxide and Hydroxyethyl Starch in the Preservation of	
4		Fractionated Human Marrow Cells", Cryobiology Vol. 31, No. 4, (1994),349-354	
		MANGALIK,et al. ,"Liquid Storage of Bone Marrow", Experimental Hematology,	

9 Rech **EXAMINER**

DATE CONSIDERED

5/18/02

PTO/SB/08A(10-01)
Approved for use through 10/31/2002. OMB 651-0031
LIS Petent & Trademark Office U.S. DEPARTMENT OF COLUMN CO.

	Under the Paperwork Reduction Act of 1995, no persons are	required to respond to a collection of information unless it conf	J.S. DEPARTMENT OF ains a valid OME con	trol number.
Substitute for form 1449A/PTO INFORMATION DISCLOSURE	Complete if Known		— <u>—</u>	
STATEMENT BOAPPLICANT	Application Number	09/458862		₹.
(Use as many sheets as necessary)	Filing Date	December 10, 1999		λĶ
May 5	First Named Inventor	Hubel, Allison		بــ م
MAY 0 7 2002	Group Art Unit	1623	20	0
	Examiner Name	Peselev, Elli	60	2002
Sheet 4 of 5	Attorney Docket No: 0	00600.451US1	/290	
	100		0	

	OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
10		<u>7.</u> (1979),76-94	
ኃ		MILLAR, JOHN.L. ,et al. ,"The Viability of Marrow Stored at 4 Degree C", Autologous Bone Marrow Transplantion and Solid Tumors, edited by J.G. McVie, et al.,(1984),9-12	
5		MUREA, SIMONA.,et al., "Granulocytes Harvested Following G-CSF-Enhanced Leukocyte Recovery Retain Their Functional Capacity During In Vitro Culture for 72 Hours", Journal of Hematotheraphy, 5, (1996),351-357	
4		NEI, T.,,"Mechanism of Freezing Injury to Erythrocytes: Effects of Initial Cell Concentration on the Post-thaw Hemolysis", <u>Cryobiology</u> , 18, (1981),pp. 229-237	
<i>ک</i>		NISKANEN, "Preservation of Human Granulopoietic Precursors Following Storage in the Nonfrozen State", <u>Transplantation</u> , 36, (1983),341-343	
4		PEGG, DE. ,"Freezing of Bone Marrow For Clinical Use", <u>Cryobiology</u> , <u>1</u> , (1964),64-71	
Ч		PETTENGELL, R,et al., "Viability of haemopoietic progenitors from whole bolld, bone marrow and leukapheresis product: effects of storage media, temperature and time", Bone Marrow Transplantation, 14, (1994),703-709	
5		PHILLIPS, G., et al., "American Society for Blood and Marrow Transplantation Guidelines for Clinical Centers", <u>Biology of Blood and Marrow Transplantation</u> , 1, (1995),54-55	
4		PRETI, RA. ,et al. ,"Clinical and laboratory comparison study of refrigerated and cryopreserved bone marrow for transplantation", <u>Bone Marrow Transplantation</u> , 13, (1994),253-260	
4		RAJU, GM. ,et al. ,"Storage of Haemopoietic Stem Cells for Autologous Bone Marrow Transplantation", National Medical J. of India, 8 (5), (1995),216-221	
4		ROBINSON, W.A., "Autologous Non Frozen Bone Marrow Transplantation after Intensive Chemotherapy: A Pilot Study", Acta Haemat., 66, (1981),145-15	
4	-	ROSSI,et al. ,"Transfusion in Transition", In: Principles of Transfusion Medicine, Williams and Wilkins Publishers; Baltimore, Maryland, (1990), 1-11	
4		RUIZ-ARGUELLES, GUILLERMO.J. ,et al. ,"Filgrastim-mobilized peripheral-blood stem cells can be stored at 4 degrees and used in autografts to rescue high-dose chemotherapy", American Journal of Hematology, 48, (1995),100-103	
ζ _η	_	SPUTTEK,et al., "Chapter V. Stem Cells", <u>In: Clinical Applications of Cryobiology</u> , B.J. Fuller, et al., (Eds.), CRC Press, (1991), 127-147	
4		STRONCEK,et al., "Treatment of Normal Individuals with Granulocyte-Colony-Stimulating Factor: Donor Experiences and the Effects on Peripheral Blood CD34+ Cell Counts and on the Collection of Peripheral Blood Stem Cells", Transfusion, 36, (July 1996),601-610	
4		SURGRUE, M,et al., "The effect of overnight storage of leukapheresis stem cell products (LSCP) on cell viability and cost", <u>Journal of Hematotherapy</u> , 7, (1998),pp. 431-436	
<u></u>		TAJIMA, TOMOO.,"The Effects of Non-cryopreservation on Clony Formation of	

EXAMINER

9, Pelh

DATE CONSIDERED 3728, 2

PTO/SB/08A(10-01)
Approved for use through 10/31/2002. OMB 651-0031
US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO	Under the Paperwork Reduction Act of 1995, no persons are Complete if Known	required to respond to a conection of information unless it co	TT	a coursi numbi	ٵ
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	09/458862	오		Ŧ
Use as many spects as necessary)	Filing Date	December 10, 1999	<u> </u>	ΜÀ	1
615	First Named Inventor	Hubel, Allison	N		1
	Group Art Unit	1623	ER	0	1
MAY 0 7 2002 #	Examiner Name	Peselev, Elli	6	.200	
Sheel 5 TRADE ARE	Attorney Docket No: 0	00600.451US1	0/29	75	1
TRADE			8		_

<i>i</i> :	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
4		Committed Progenitor Cells of Bone Marrow", <u>Tokai J. Exp. Clin. Med., 13 (1),</u> (1988),15-22	
G		TAKAHASHI, MASHUHIRO.,et al., "Effects of Marrow Storage at 4 Degree C on the Subsequent Generation of Long-term Marrow Cultures", Experimental Hermatology, 13, (1985),691-695	
Y		THOMAS,et al. ,"Technique for Human Marrow Grafting", <u>BLOOD The Journal of Hematology</u> , 36, (October 1970),507-515	
7	·	WELLS, et al., "Preservation of Granulopoietic Precursors in Nonfrozen, Stored Human Bone Marrow", <u>Transplantation</u> , 22, (1976),568-571	

E. Peale **EXAMINER**

DATE CONSIDERED

5/28/02